

Figure 1

4004360

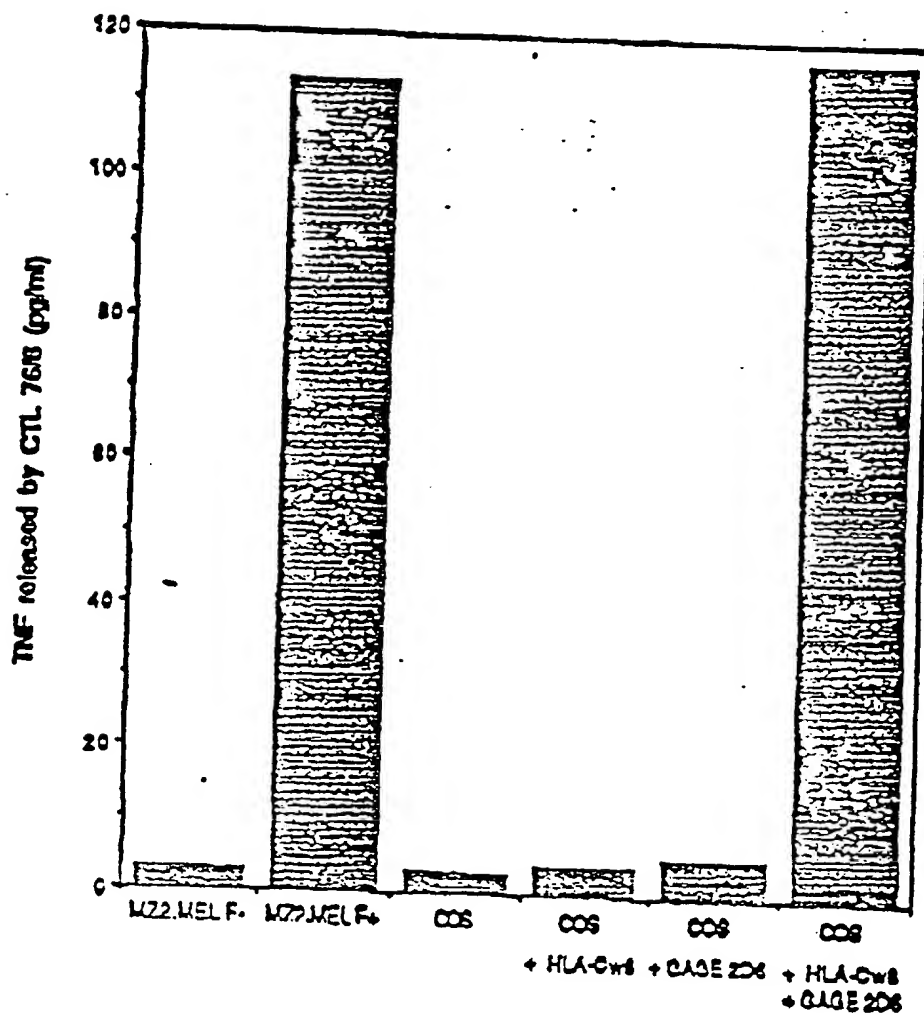


Figure 2

YRPRPRRY ●
 TYRPRPRRY *
 YRPRPRRYV ◇
 TYRPRPRRYV ○
 RPRPRRYVE ▽
 MSWRGRSTYRPRPRR ◆

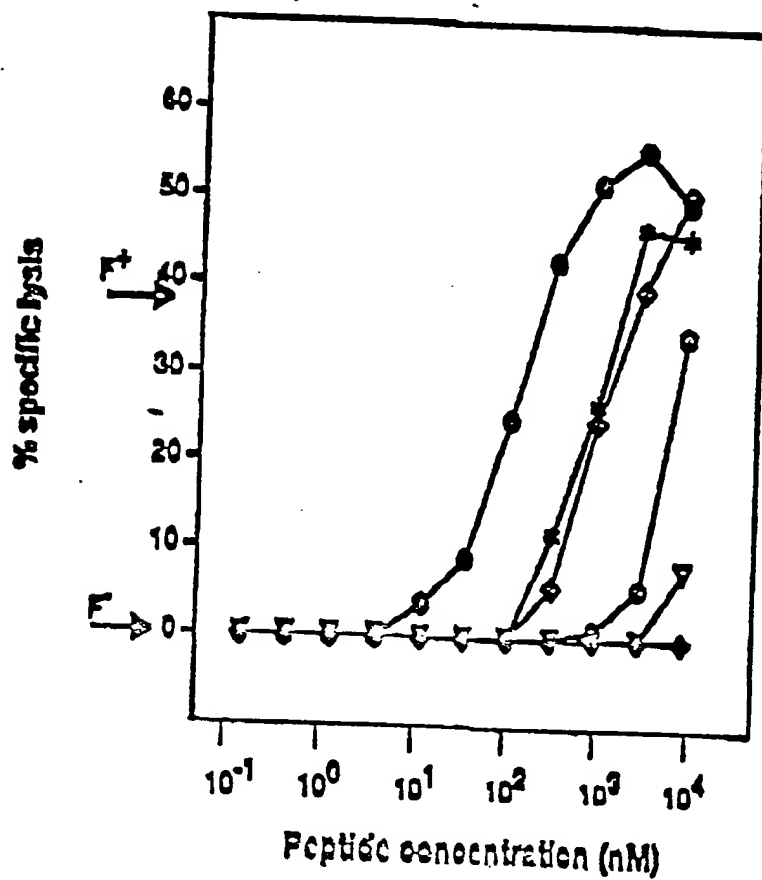


Figure 3

Figure 4

antigenic
peptide

GAGE-1	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.
GAGE-2	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.
GAGE-3	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.
GAGE-4	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.
GAGE-5	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.
GAGE-6	DS-WRGRST-PPRPRRYVPPET	GFMRPEQFSDEVLPATPEDEGPATQ	RQDFAAAQEGEDGASAGQGPKPEA	7.

GAGE-1	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	LLGNCFLKLEPRKP	13
GAGE-2	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	.....	11
GAGE-3	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	.....	11
GAGE-4	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	.....	11
GAGE-5	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	.....	11
GAGE-6	DSQEQQHPQTGCCEEDGPDGQEP	PNPEEVKTPEDGKQSQS	.....	11

Figure 5

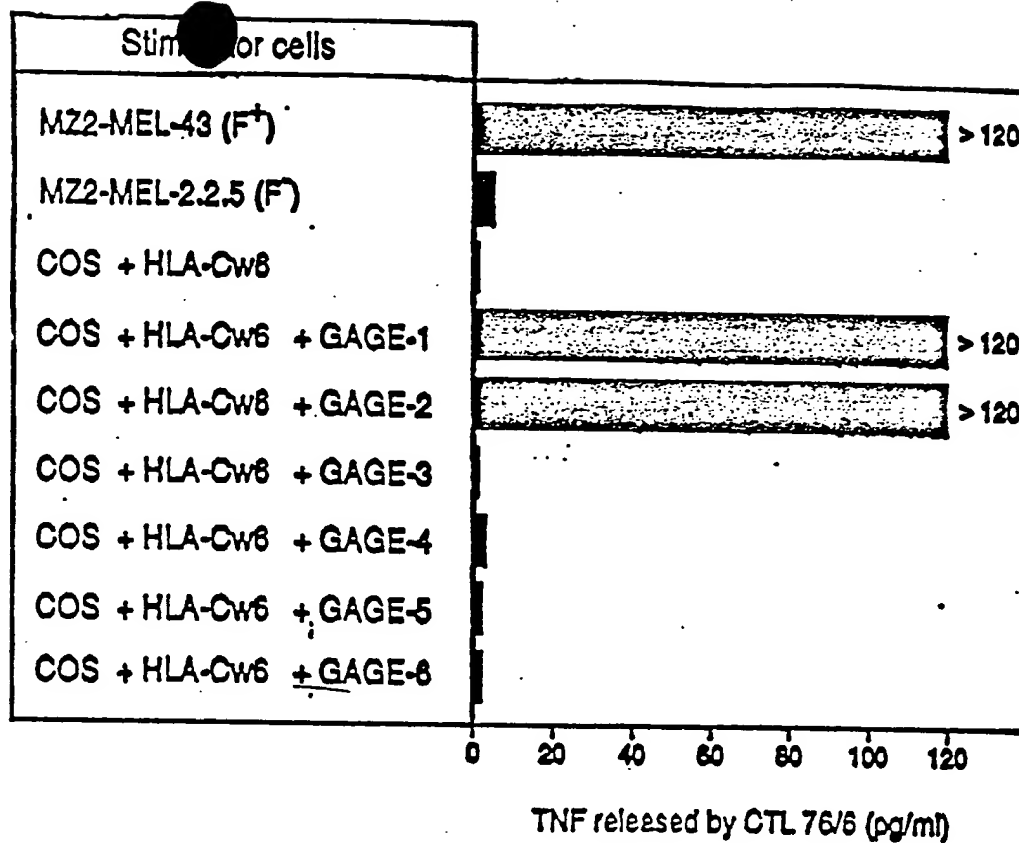


Figure 6

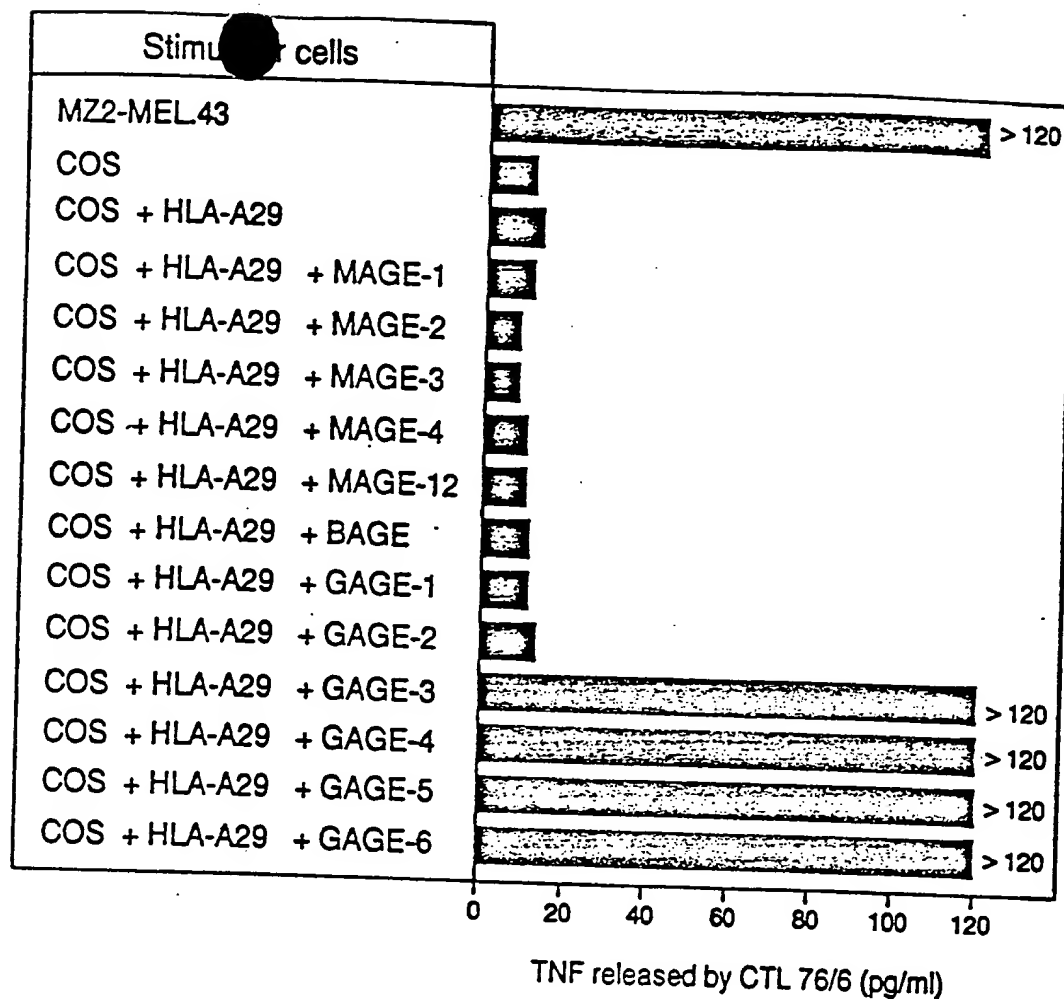


Figure 7. Stimulation of MZ2-CTL 22/23 by COS-7 cells transiently transfected with an HLA-A29 cDNA and MAGE, BAGE or GAGE cDNA. The CTL was added after 24 hours and the production of TNF was estimated 24 hours later. MZ2-MEL43 was used as a positive control stimulator cell.

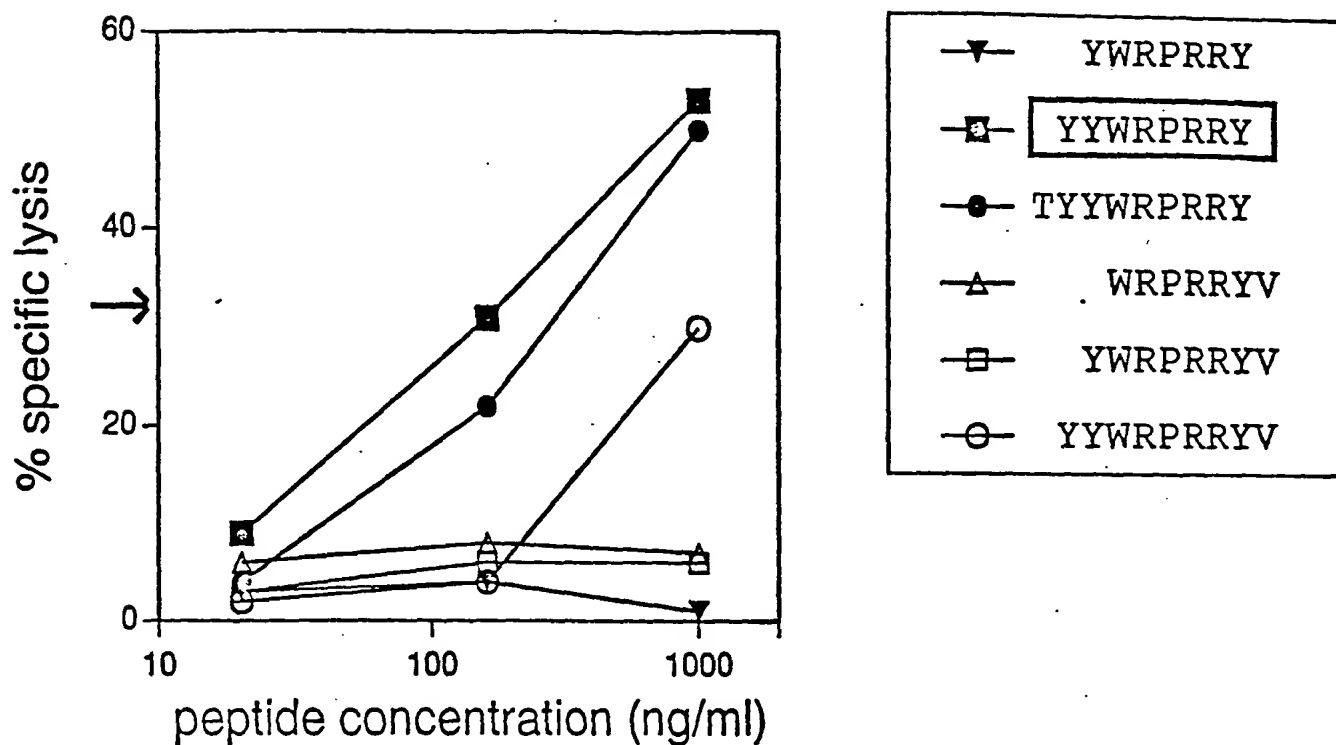


Figure 6 Lysis by MZ2-CTL 22/23 of lymphoblastoid cell line LB17-EBV incubated with GAGE-encoded peptide YYWRPRRY. Thousand ^{51}Cr -labelled LB17-EBV target cells were incubated in 96 well microplates in the presence of various concentrations of peptide for 15 minutes at 37°C . An equal volume containing 6000 CTL was then added. Chromium release was measured after 4 hours at 37°C . We have indicated the final concentration of peptides during the incubation of the target cells with the CTL. The arrow indicates the percentage of lysis of MZ2-MEL.43 cells.